



Vodafone Terminal Capability Definition

TCD-V&VT-USE-003096 TCD-V&VT-REF-H.245 Message Syntax Subset

Version: 9.0.0

Owner: Yuji Nakajima

Authors: Yuji Nakajima

Appendix A H.245 Message Syntax Subset (Normative)

Table below illustrates the subset of H.245 Message.

For the items defined as “SHOULD” or “OPTIONAL” in Conformance, marked “O” for “Send” and “Receive” in Table

Items for which “Receive” is “O”, it shall be able to receive messages, however, the maker can decide whether or not function operate.

Table : H.245 Message Syntax Subset (Normative)

PHASE D	TerminalCapabilitySet Message	RequestMessage				Send	Receive
		TerminalCapabilitySet	sequenceNumber			M	M
			protocolIdentifier			M	M
			MultiplexCapability	H223Capability	transportWithI-frames	M	M
					videoWithAL2	M	M
					videoWithAL3	M	M
					audioWithAL2	M	M
					maximumAI2SDUSize	M	M
					maximumAI3SDUSize	M	M
					h223MultiplexTable Capability	M	M
					maximumDelayJitter	M	M
					maxMUXPDUSize Capability	O	O
					nsrpSupport	M	M
					mobileOperationTransmit Capability	M	M
			CapabilityTable	CapabilityTableEntry Number		M	M
				Capability	receiveVideoCapability	M	M
					transmitVideoCapability	O	M
					receiveAndTransmitVideo Capability	M (*1)	M
					receiveAudioCapability	O	M
					transmitAudioCapability	M	M
					receiveAndTransmitAudio Capability	M (*1)	M
			CapabilityDescriptors	CapabilityDescriptor Number		M	M
				simultaneousCapabilities		M	M
			VideoCapability	H263VideoCapability	sqcifMPI	O	M
					qcifMPI	M	M
					maxBitRate	M	M
					unrestrictedVector	M	M
					arithmeticCoding	M	M
					advancedPrediction	M	M
					pbFrames	M	M
					temporalSpatialTradeOff Capability	M	M
				genericVideoCapability	capabilityIdentifier	M	M
					maxbitrate	M	M
					profileAndLevel	M	M
			AudioCapability	genericAudioCapability	capabilityIdentifier	M	M
					maxbitrate	M	M
					MaxAI_sduFrames	M	M
				g7231	maxAI_sduAudioFrames	M	M
					silenceSuppression	M	M

		cause	unspecified		M	M
			undefinedTableEntry Used		M	M
			descriptorCapacity Exceeded		M	M
			tableEntryCapacity Exceeded		M	M
	CommandMessage					
	SendTerminalCapability Set	specificRequest	multiplexCapability		O	M
			CapabilityTableEntry Numbers		O	M
			CapabilityDescriptor Numbers		O	M
		genericReques			O	M
		indicationmessage				
	TerminalCapabilitySet Release				M	M
	RequestMessage					
	MasterSlave Determination	terminalType			M	M
		statusDetermination Number			M	M
	ResponseMessage					
	MasterSlave DeterminationAck	decision	master		M	M
			slave		M	M
	MasterSlave DeterminationReject	cause	indenticalnumbers		M	M
	indicationmessage					
	MasterSlave DeterminationRelease				M	M
H.223 MultiplexEntrySend	RequestMessage					
	MultiplexEntrySend	sequenceNumber			M	M
		multiplexEntry Descriptors	multiplexTableEntry Number		M	M
			elementList		M	M
		multiplexElement	type	logicalChannelNumber	M	M
				subElementList	M	M
			repeatCount	finite	M	M
				untilclosingFlag	M	M
	RequestMultiplexEntry	entryNumbers			O	M
	ResponseMessage					
	MultiplexEntrySendAck	sequenceNumber			M	M
		multiplexTableEntry Number			M	M
	MultiplexEntrySend Rject	sequenceNumber			M	M
		rejectionDescriptions			M	M
	MultiplexEntryRejection Descriptions	multiplexTableEntry Number			M	M
		cause	unspecifiedCause		M	M
			descriptorTooComplex		M	M
	RequestMultiplexEntry Ack	entryNumbers			M	M
	RequestMultiplexEntry Reject	entryNumbers			M	M
		rejectionDescriptions	multiplexTableEntry Number		M	M
			cause	unspecifiedCause	M	M
				descriptorTooComplex	M	M
	indicationmessage					
	MultiplexEntrySend Release	multiplexTableEntry Number			M	M

		RequestMultiplexEntry Release	entryNumbers		O	M
OpenLogicalChannel		RequestMessage				
		OpenLogicalChannel	forwardLogicalChannel Number		M	M
			forwardLogicalChannel Parameters	dataType	M	M
				audioData	O	M
				multiplexparameters	M	M
			ReverseLogicalChannel Parameters	dataType	M	M
				audioData	M	M
				multiplexparameters	M	M
			VideoData	H263VideoCapability	O	M
				qcifMPI	M	M
				maxBitRate	M	M
				unrestrictedVector	M	M
				arithmeticCoding	M	M
				advancedPrediction	M	M
				pbFrames	M	M
				temporalSpatialTradeOff Capability	M	M
				genericVideoCapability	M	M
				maxbitrate	M	M
				profileAndLevel	M	M
				object	M	M
				decoderConfiguration Information	M	M
			AudioData	genericAudioCapability	M	M
				maxbitrate	M	M
				MaxAI_sduFrames	M	M
				g7231	M	M
				silenceSuppression	M	M
			H223LogicalChannel Parameters	adaptationLayerType	M	M
				al2WithoutSequence Numbers	M	M
				al2WithSequenceNumbers	M	M
				al3	M	M
				segmentableFlag	M	M
		ResponseMessage				
		OpenLogicalChannel Ack	forwardLogicalChannel Number		M	M
			ReverseLogicalChannel Parameters	reverseLogicalChannel Number	M	M
		OpenLogicalChannel Reject	forwardLogicalChannel Number		M	M
			cause	unspecified	M	M
				unsuitableReverse Parameters	M	M
				dataTypeNotSupported	M	M
				dataTypeNotAvailable	M	M
				unknownDataType	M	M
				dataTypeALCombination NotSupported	M	M
				multicastChannelNot Allowed	O	M
				insufficienBandwidth	O	M
				separateStack EstablishmentFailed	O	M
				invalidSessionID	O	M
				masterSlaveConflict	M	M

				waitForCommunication Mode		O	M
				invalidDependentChannel		O	M
				replacementForRejected		O	M
		indicationmessage					
		OpenLogicalChannel Confirm	forwardLogicalChannel Number			M	M
PHASE E	Codec Change	requestmessage					
		RequestMode	sequenceNumber			O	O
			requestedModes	H.263VideoMode	resolution	O	O
					bitRate	O	O
					unrestrictedVector	O	O
					arithmeticCoding	O	O
					advancedPrediction	O	O
					pbFrames	O	O
				GenericVideoMode	capabilityIdentifier	O	O
					maxBiteRate	O	O
					profileAndLevel	O	O
					Object	O	O
				GenericAudioMode	capabilityIdentifier	O	O
					maxBiteRate	O	O
					bitrate	O	O
		responsemessage					
		RequesetModeAck	sequenceNumber			O	O
			response	willTransmitMostPreferred Mode		O	O
				willTransmitLessPreferred Mode		O	O
		RequesetModeReject	sequenceNumber			O	O
			cause	modeUnavailable		O	O
				multipointConstraint		O	O
				requestDenied		O	O
		indicationmessage					
		RequesetModeRelease				O	O
	FlowControl	commandmessage					
		FlowControlCommand	scope	logicalChannelNumber		O	O
				resouceID		O	O
				wholeMultiplex		O	O
	RoundTripDelay Message		restriction	maximumBiteRate		O	O
		requestmessage					
		RoundTripDelay Request	sequenceNumber			M	M
		responseMessage					
	Multipoint	RoundTripDelay Response	sequenceNumber			M	M
		indicationmessage					
		h223SkewIndication	logicalChannelNumber1			M	M
			logicalChannelNumber2			M	M
	Others		skew			M	M
		commandmessage					
		MiscellaneousCommand	logicalChannelNumber			M	M
			Type	VideoFastUpdatePicture		M	M
				videoTemporalSpatial TradeOff		M	M
				maxH223MUXPDUsSize		O	O
		indicationmessage					

		UserInputIndication	alphanumeric			M	M
		MiscellaneousIndication	logicalChannelNumber			M	M
			type	videoTemporalSpatial TradeOff		M	M
PHASE F	CloseLogicalChannel	requestmessage					
		CloseLogicalChannel	forwardLogicalChannel Number			M	M
			source	user		M	M
				lcse		M	M
			reason	unknown		M	M
				reopen		M	M
		RequestChannelClose	forwardLogicalChannel Number			M	M
			reason	unknown		M	M
				normal		M	M
				reopen		M	M
		responsemessage					
		CloseLogicalChannel Ack	forwardLogicalChannel Number			M	M
		RequestChannelClose Ack	forwardLogicalChannel Number			M	M
		RequestChannelClose Reject	forwardLogicalChannel Number			M	M
			cause	unspecified		M	M
		indicationmessage					
		RequestChannelClose Release	forwardLogicalChannel Number			M	M
	EndSession	commandmessage					
		EndSessionCommand	disconnect			M	M
Others	FunctionNotUnderstood	requestmessage					
		FunctionNotUnderstood	request			M	M
			response			M	M
			command			M	M

*1...In the case of the terminal which can not handle different Codec for sending and receiving.